The InterLib Project

The Project Formerly Known as InterLib (TPFKAIL)ä

*A Foundation for
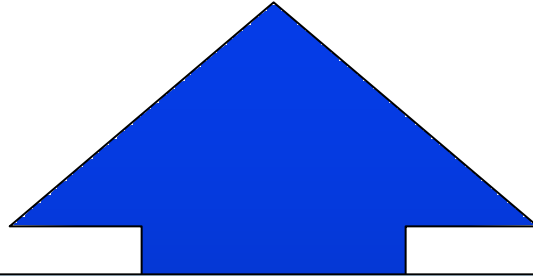Knowledge Creation and Sharing*

Hector Garcia-Molina

Richard Lucier

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Robert Wilensky

Vision

InterLib: Collaborative Creation, Access, Use of Knowledge

World Wide Web: Access to Information

Internet: Basic Connectivity

What Is InterLib?

- Three Coordinated Projects:
  - UC Berkeley, UC Santa Barbara, Stanford
- Testbed: San Diego Supercomputer Center
- Deployment: California Digital Library
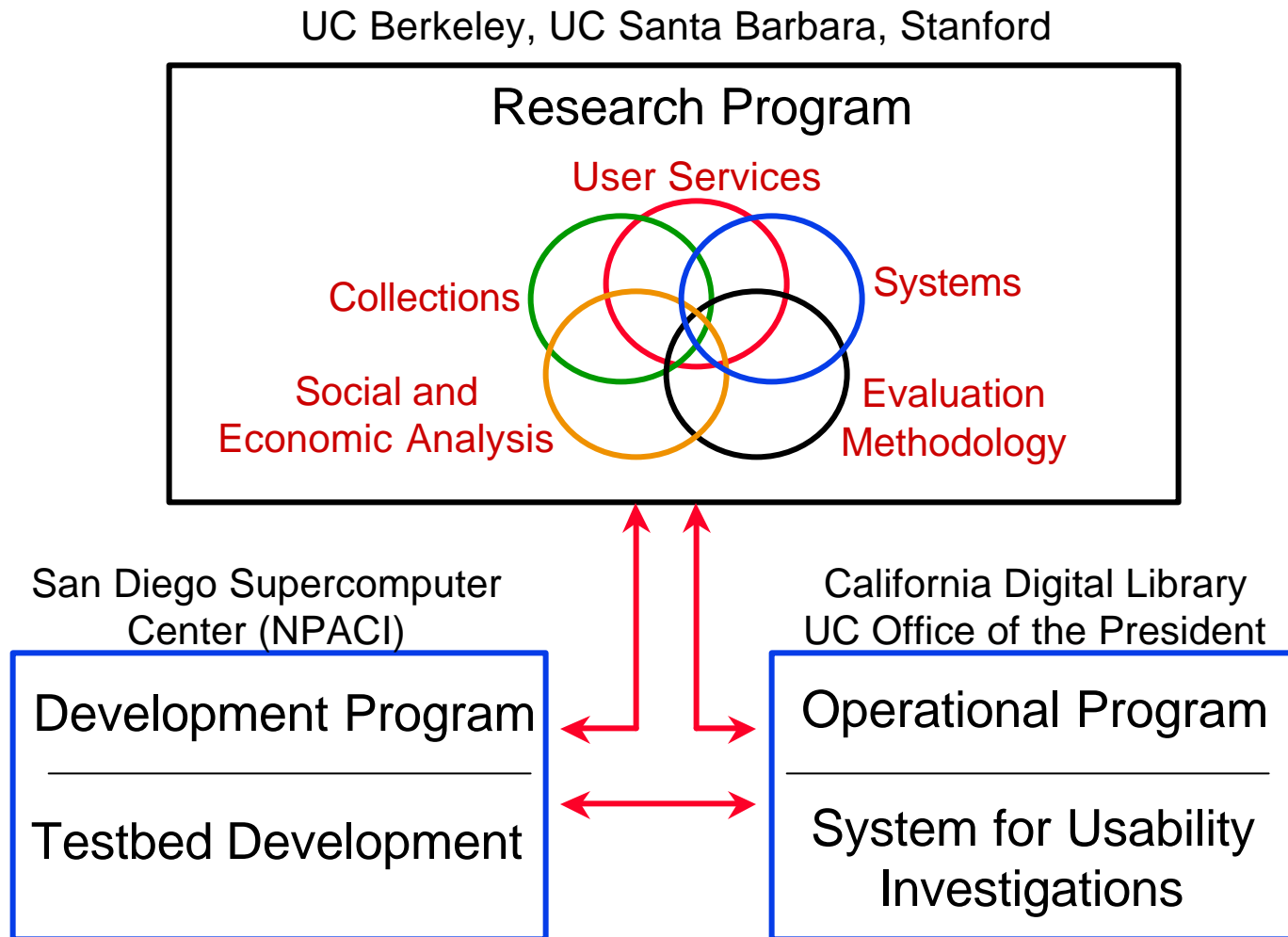- Collaboration from the ground up

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The Time Is Right

◆ Digital resources proliferating

◆ Infrastructure not set in stone

◆ Potential for High-Impact Research

    – Coherent, large-scale, multifaceted

    – Coupled with production activity

    – Dramatic effect on national infrastructure

The InterLib Opportunity

- ◆ New major academic digital library, CDL

- ◆ Three strong research sites
  - – solid DLIB research track record
  - – successful DLIB project management
  - – complementary but overlapping research agendas
  - – experience interacting with SDSC (NPACI)

- ◆ New, exciting research agenda

- ◆ Collaboration, technology transfer built in

InterLib Overview

UC Berkeley, UC Santa Barbara, Stanford

Research Program

User Services

Collections

Systems

Social and
Economic Analysis

Evaluation
Methodology

San Diego Supercomputer
Center (NPACI)

California Digital Library
UC Office of the President

Development Program

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Testbed Development

Operational Program

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System for Usability
Investigations

InterLib Research

- ◆ Focus
  - – university environments as microcosm
  - – extend technology to other environments
- ◆ Research to support
  - – scalable, interoperable library services
  - – collaborative knowledge

InterLib Research Foci

Thrust	Topic	Institutions				
		UCB	UCSB	Stanford	SDSC	CDL
User	Access		x	x		
	Collaboration	x	x			
	Presentation	x	x	x		
Collections	Analysis for Access	x	x	x		
	Collection Development		x			x
	Collection Management				x	x
Systems	Interoperability Protocols			x		
	Architecture	x	x		x	
	Performance		x	x	x	
	Security		x	x	x	
Social, Economic	Communication Models	x				x
	Pricing Models	x				x
	Educational Strategies	x	x			x
Evaluation Methodology	For education		x			x
	Of User Services		x			
	Situated Understand.	x				
Testbed	Interoperability	x	x	x	x	x
	Evaluation	x	x	x	x	x
	Management				x	x

California Digital Library

An Integrated System for Scholarly Information Management That Will Serve UC's Faculty and Students and Eventually a Much Broader Segment of California Citizens

KEY CHARACTERISTICS

- Co-Library (9 campuses)
- *High Quality* Digital Collections
- Personal Communication Tools to Create, Share, Manipulate, and Use Information
- Consistent Network Interface
- Distributed Resources, Services, and Tools
- Financially Sustainable

California Digital Library

CREATED IN OCTOBER 1997 BY UC PRESIDENT
AND BOARD OF REGENTS

SELECTED INAUGURAL YEAR HIGHLIGHTS

- CDL Officially Opens January 20, 1999 with 200K+ Users
- Collection Framework Developed
- Full Content of Thousands of Journals Available
- On-Line Archive of California (UC plus 20+ Others)
- "Digital Government Information Depository" Initiative
- Environmental Information Prototype (33 public libraries and K-12 schools)
- Scholarly Communication Initiative

California Digital Library

InterLib Collaborative Efforts

- Existing Relationships with InterLib Partners
  - SDSC: AMICO Project; DL Architecture and Standards Planning
  - UCSB: ADL incorporation into CDL (Planning and Evaluation); DL Architecture and Standards Planning
  - UCB: Environmental Information Project; DL Architecture and Standards Planning; Advanced Technology Planning
  - Ongoing Full Participation in Research Planning Activities for all InterLib research projects
- Liaisons from CDL to Research Projects: Collections, Education, Evaluation, Technology, Management, User

California Digital Library

UNIVERSITY FUNDING COMMITMENTS

- Total Central Investment *(First 5 Years)*

  FY 97/98…………..$ 9.0   Million
  FY 98/99…………..$ 12.0   Million
  FY 99/00…………..$ 14.5   Million
  FY 00/01…………..$ 17.0   Million
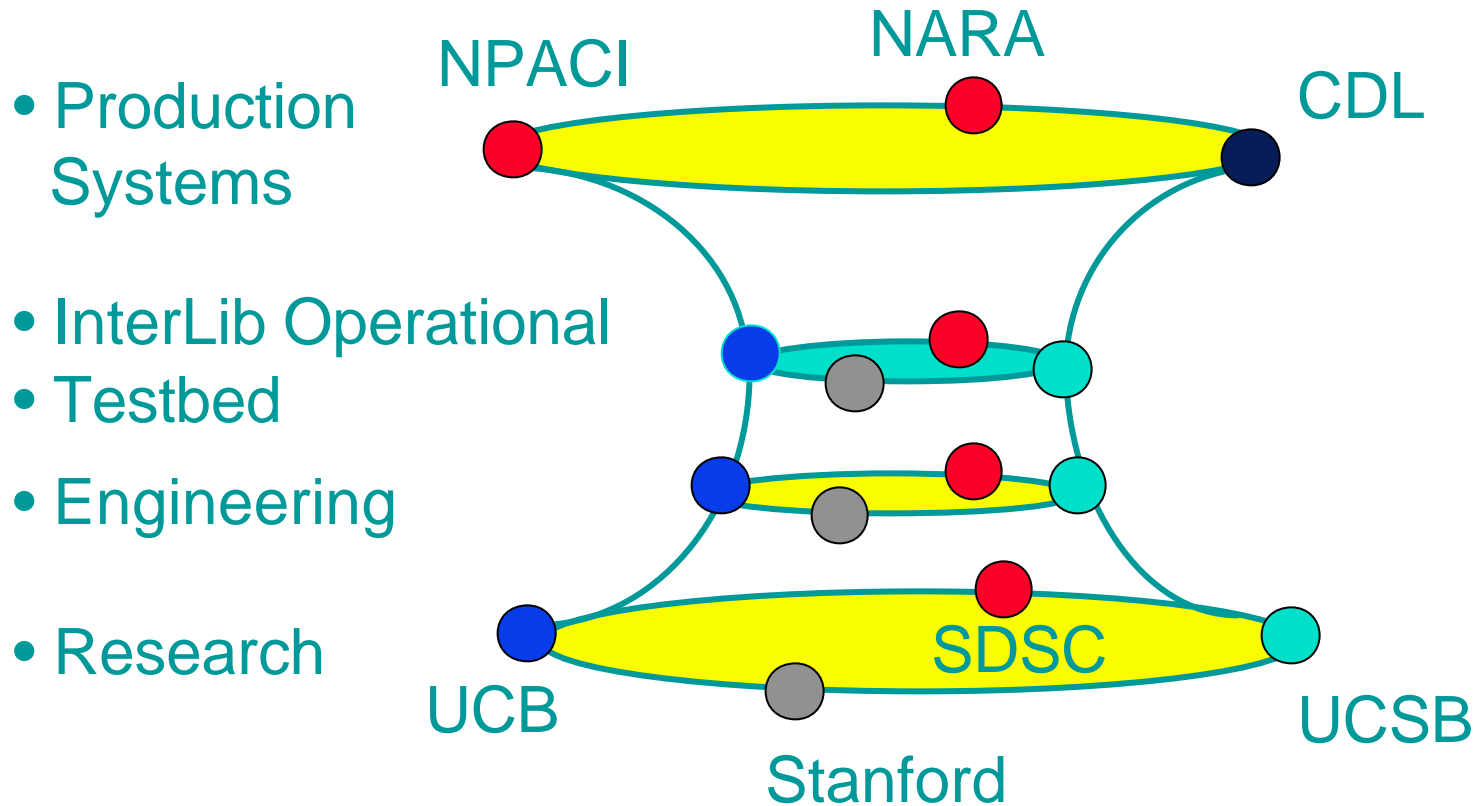 FY 01/02…………..$ 20.0   Million

- Campus Co-Investment

San Diego Supercomputer Center

- ◆ Coordinates transfer of prototypes and protocols to the integrated testbed.

- ◆ Many infrastructure components in place or in progress at SDS:
  - CalREN2 network linking UCB, UCSB, SDSC, Stanford
  - HPSS - supports data movement at the rate of 10 terabytes per day
  - SRB - data handling system

- ◆ Relevant infrastructure projects ongoing at SDSC
  - CDL - AMICO digital library of art museum images
  - NARA - persistent archival storage systems
  - NPACI - integration of digital libraries and high performance storage
  - NASA - integration of data handling and authentication systems
  - USPTO - patent digital library

- ◆ Ongoing working relationship with all project participants

Testbed for Technology Transfer

- Production Systems
- InterLib Operational
- Testbed
- Engineering
- Research

NPACI

NARA

CDL

UCB

SDSC

UCSB

Stanford

Integration of distributed autonomous heterogeneous data collections